

AMENDMENTS TO THE CLAIMS

Claim 1. (Currently amended) A bone growth composition, ~~comprising~~ consisting essentially of:

(a) ~~a substrate comprising a material chosen from the group consisting of Type I collagen, Type III collagen, or a mixture thereof~~ fibrin, alginate and mixtures thereof;

(b) ~~a bone growth protein;~~ and

(c) ~~a source of calcium; and,~~

(d) ~~a source of phosphate;~~

~~wherein said composition has a pH less than 5~~ calcium hydrogen phosphate dihydrate (CaHPO₄•2H₂O).

Claims 2-7. (Canceled)

Claim 8. (Original) A bone growth composition as claimed in Claim 1, wherein the bone growth protein is selected from the group consisting of purified bone growth factors, recombinantly produced bone growth factors and mixtures thereof.

Claim 9. (Withdrawn) A bone growth composition as claimed in Claim 8 wherein the bone growth protein comprises a transforming growth factor β (TFG- β) superfamily protein.

Claim 10. (Original) A bone growth composition as claimed in Claim 8 wherein the bone growth protein comprises Bone Protein.

Claims 11-31. (Cancelled)

Claim 32. (Currently amended) The bone growth composition of claim 1 wherein said ~~calcium source~~ calcium hydrogen phosphate dihydrate is about 1 - 85% by weight of the composition.

Claim 33. (Currently amended) The bone growth composition of claim 1 wherein said ~~phosphate source~~ calcium hydrogen phosphate dihydrate is about 1 - 75% by weight of the composition.

Claim 34. (Canceled)

Claim 35. (Currently amended) The bone growth composition of claim 34 1, wherein said collagen comprises Type I bovine tendon atelopeptide collagen.

Claim 36. (Currently amended) The bone growth composition of claim 34 1, comprising about 0.5 - 20% by weight collagen.

Claim 37. (Previously presented) The bone growth composition of claim 36 comprising about 3 - 5% by weight collagen.

Claims 38-43. (Canceled)

Claim 44. (Currently amended) The composition of claim 1 comprising about 4% collagen by weight and about 4% ~~calcium hydrogen diphosphate~~ calcium hydrogen phosphate dihydrate by weight.

Claim 45-47. (Canceled)

Claim 48. (Previously presented) The composition of claim 1, wherein said enhanced bone formation comprises an enhanced histologic score.